

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
25 November 2004 (25.11.2004)

PCT

(10) International Publication Number
WO 2004/102708 A3

(51) International Patent Classification⁷: **H01M 8/04**,
8/24, 8/10

(21) International Application Number:
PCT/JP2004/006679

(22) International Filing Date: 12 May 2004 (12.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003-136791 15 May 2003 (15.05.2003) JP

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

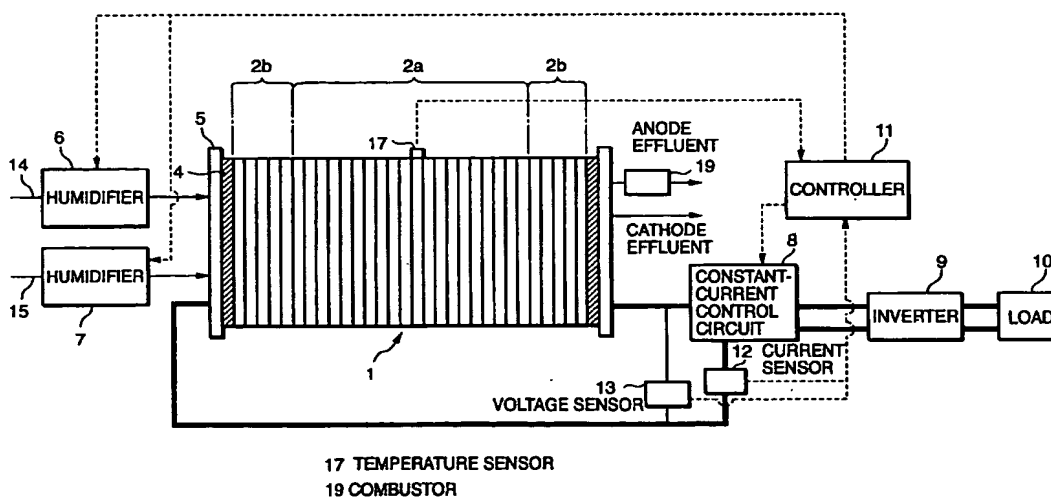
Published:

— with international search report

(88) Date of publication of the international search report:
17 February 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PREVENTION OF FLOODING OF FUEL CELL STACK



17 TEMPERATURE SENSOR
19 COMBUSTOR

(57) Abstract: A fuel cell stack (1) generates power by an electrochemical reaction between hydrogen and oxygen in plural stacked fuel cells (2a, 2b). Each fuel cell (2a, 2b) comprises an anode (26a) to which hydrogen is supplied, a cathode (26b) to which air containing oxygen is supplied, and an electrolyte membrane (20) which conducts hydrogen ions from the anode (26a) to the cathode (26b). The fuel cells (2a, 2b) comprise center cells (2a) and end cells (2b). By arranging the moisture absorption capacity of the end cells (2b) to be larger than that of the center cells (2a), flooding in the end cells (2b) which do not easily rise in temperature is prevented, and the low-temperature start-up performance of the fuel cell stack (1) is enhanced.

WO 2004/102708 A3

INTERNATIONAL SEARCH REPORT

Int lonal Application No
P /JP2004/006679

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H10M8/04 H01M8/24 H01M8/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Date of the actual completion of the international search

26 October 2004

Date of mailing of the international search report

04/11/2004

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INTERNATIONAL SEARCH REPORT

Int. onal Application No
PCT/JP2004/006679

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